

Claims

What is claimed is:

- 5 1. A fascia for a motor vehicle comprising:
a component mounting integrally molded to the fascia for holding and securing a
component therein, the component mounting comprising
a containing portion having a through-hole for housing the component and
for allowing the component to communicate therethrough, the containing portion
10 being integrally molded to the fascia; and
fastening means for securing the component in the component mounting,
wherein the component mounting is designed for mounting the component
from a side opposite to the show surface of the fascia.
- 15 2. The fascia as defined in claim 1 wherein the fascia is made from a thermoplastic
material having sufficient rigidity for maintaining one of a positioning of the component
and a continuity of a coating applied to at least a show surface of the fascia.
3. The fascia as defined in claim 2 wherein the coating is one of a paint, a clear coat, and
20 a metal plating.
4. The fascia as defined in claim 1 wherein the fastening means are releasable.
5. The fascia as defined in claim 4 wherein the fastening means comprise first and
25 second resilient members disposed diametrically opposite to each other.
6. The fascia as defined in claim 5 wherein the first and second resilient members
comprise one of a projection and a recess for providing a snap connection to a
complementary one of a recess and a projection of the component.

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7. The fascia as defined in claim 1 wherein the through-hole has a complementary shape to the component.

8. The fascia as defined in claim 1 further comprising elongated ridges along the
5 fastening means for strengthening a retention of the component in the component mounting.

9. The fascia as defined in claim 1 wherein the proximal end has a mounting wall stock thickness of about one third of a fascia wall stock thickness.

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10. The fascia as defined in claim 1 further comprising a parting line seal off where the proximal end of the containing portion meets the fascia for providing a paint quality and a parting line quality.

11. The fascia as defined in claim 1 wherein the component mounting is a sensor bracket for mounting a sensor therein.

12. The fascia as defined in claim 11 wherein the sensor is a parking assist sensor.

13. A method of making a fascia for a motor vehicle comprising the steps of:

20 providing a mold, the mold comprising a cavity, a core, and a core pin, said mold defining a shape of the fascia with an integral component mounting, the component mounting comprising a containing portion having a through-hole for housing the component, said containing portion having a proximal end and a distal end, the proximal
25 end being integrally molded to the fascia, and fastening means for securing the component in the sensor bracket, said fastening means being disposed about the distal end of the containing portion;

engaging the core pin with respect to the cavity and the core, said core pin for creating the through-hole;

30 injecting an amount of thermoplastic material into the mold;

allowing the thermoplastic material to set; and

removing the core pin from the cavity and the core for allowing the removal of the fascia from the mold.

14. The method as defined in claim 13 wherein the core pin is designed so as create a
5 through-hole having a complimentary shape to an external contour of the component to be inserted into component mounting.

15. A fascia for a motor vehicle comprising:

10 a sensor bracket integrally molded to the fascia for holding and securing a sensor therein, the sensor bracket comprising
a containing portion having a through-hole for housing the sensor and for allowing the sensor to sense an object therethrough, said containing portion having a proximal end and a distal end, the proximal end being integrally molded to the fascia; and
15 fastening means for securing the sensor in the sensor bracket, said fastening means being disposed about the distal end of the containing portion, and wherein the sensor bracket is designed for receiving the sensor from a side opposite to the show surface of the fascia.

20 16. The fascia as defined in claim 15 wherein the fascia is made from a thermoplastic material having sufficient rigidity for maintaining one of a positioning of the sensor and a continuity of a coating applied to at least a show surface of the fascia.

25 17. The fascia as defined in claim 16 wherein the coating is one of a clear coat, a paint, and a metal plating.

18. The fascia as defined in claim 15 further comprising elongated ridges along the fastening means for increasing a retention of the sensor in the sensor bracket.

30 19. The fascia as defined in claim 15 wherein the fastening means are releasable.